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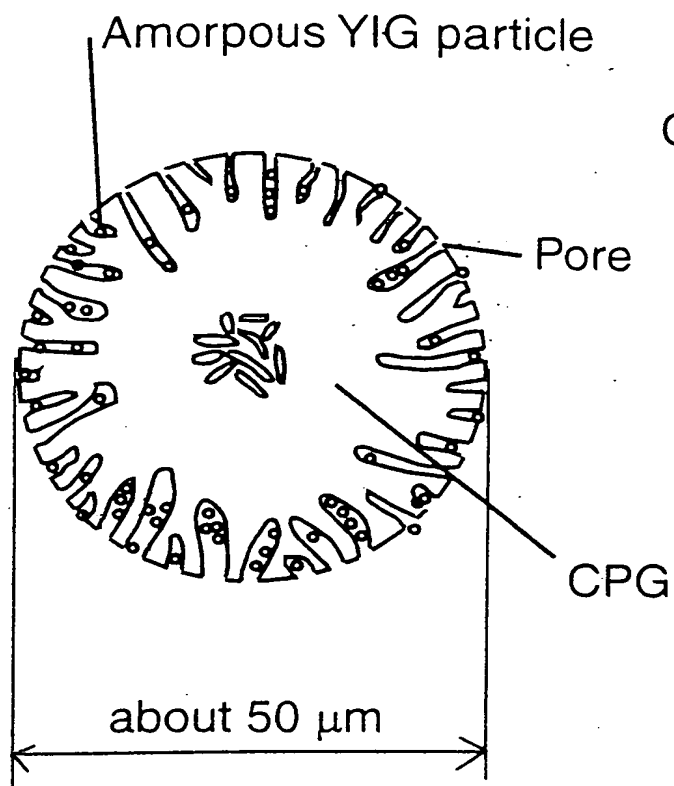
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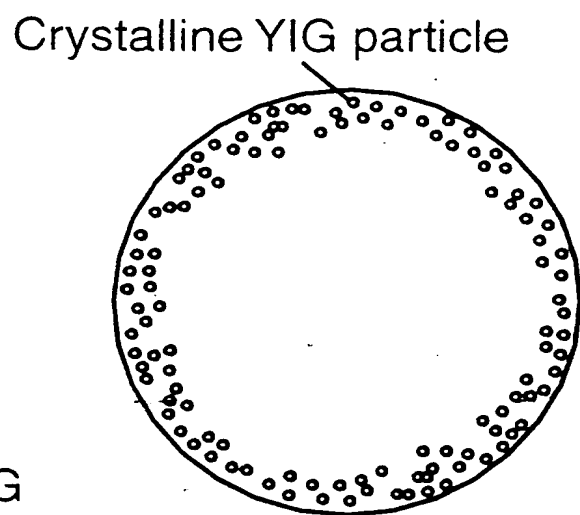
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(a) Before calcination



(b) After calcination

Fig. 2

Diffraction Intensity (Arb. Unit)

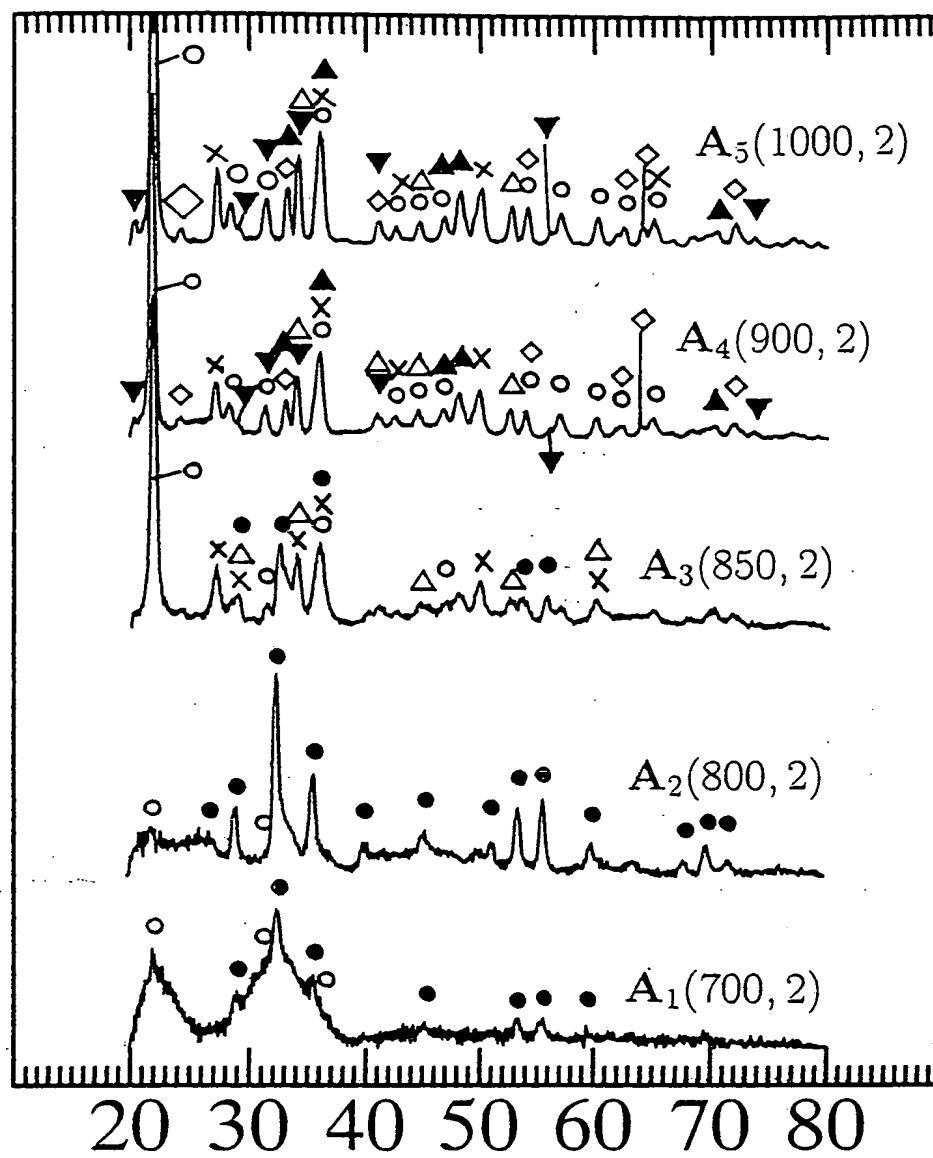
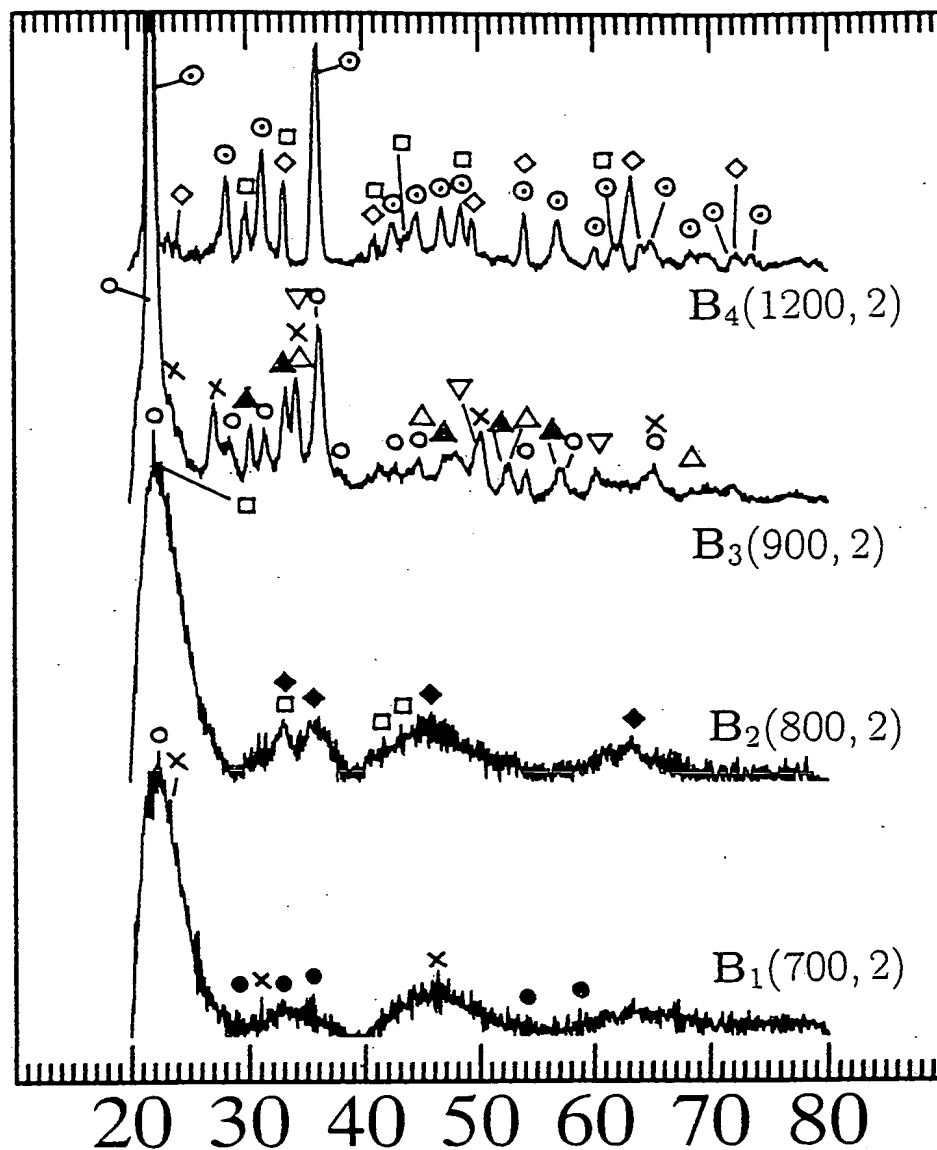
Diffraction angle 2θ (deg)

Fig. 3

Diffraction Intensity (Arb. Unit)



Diffraction angle 2θ (deg)

Fig. 4

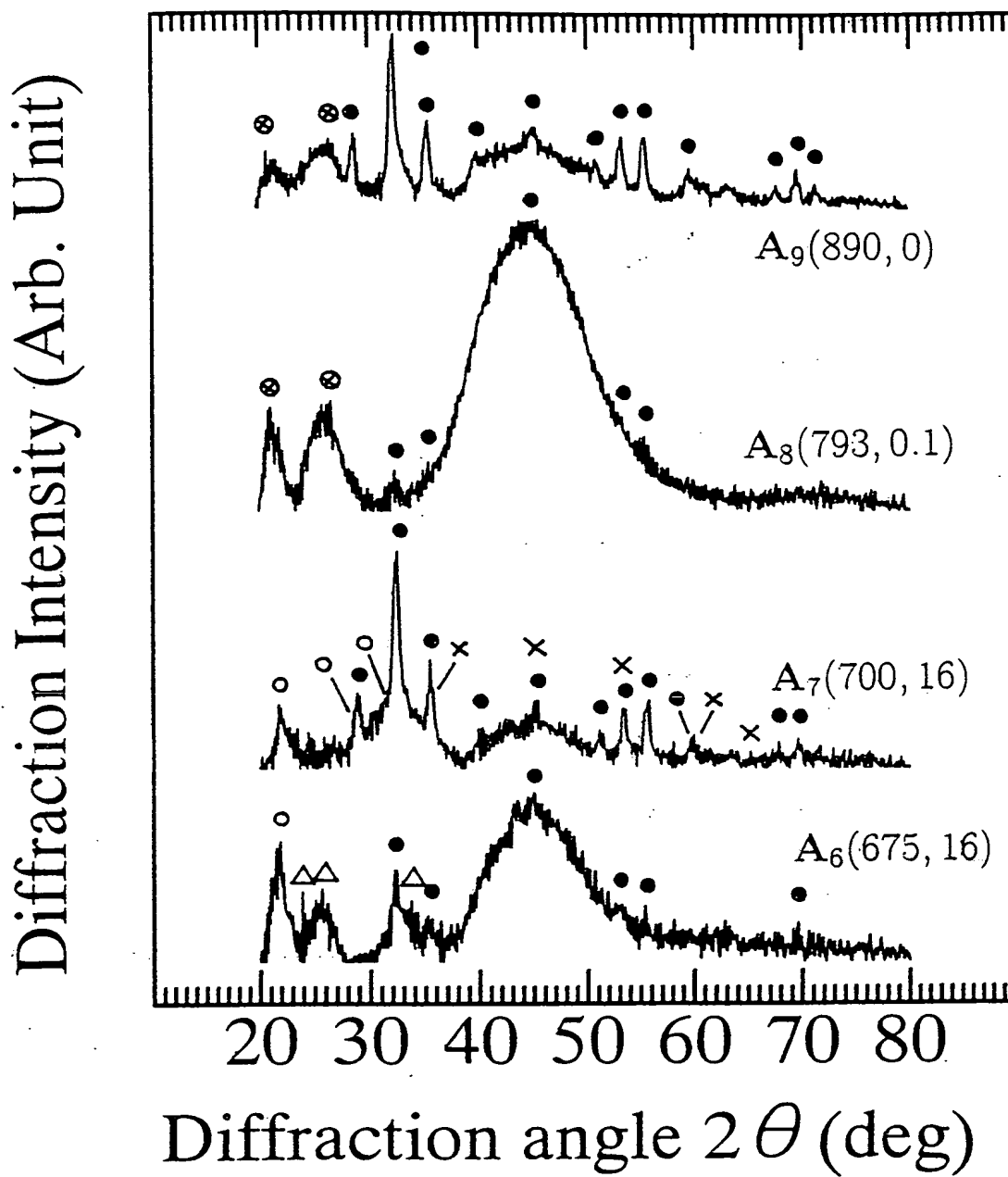


Fig. 5

Diffraction Intensity

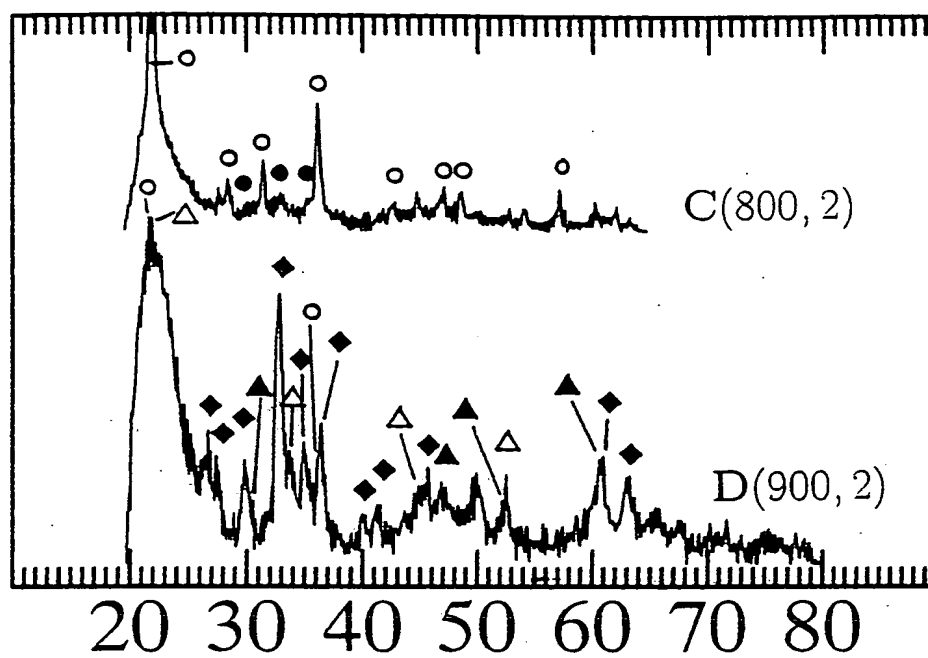
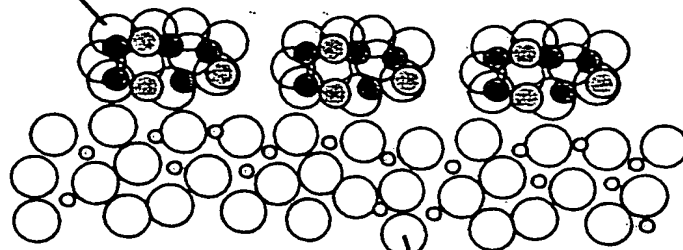
Diffraction angle 2θ (deg)

Fig. 6

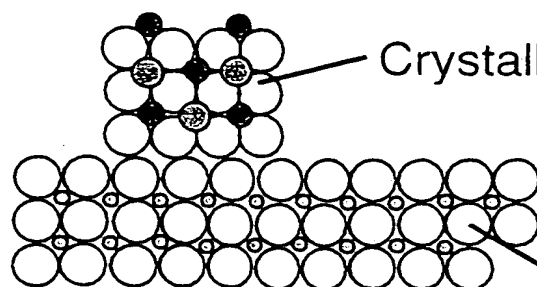
Amorphous YIG particle

(a)



Amorphous SiO_2 (CPG)

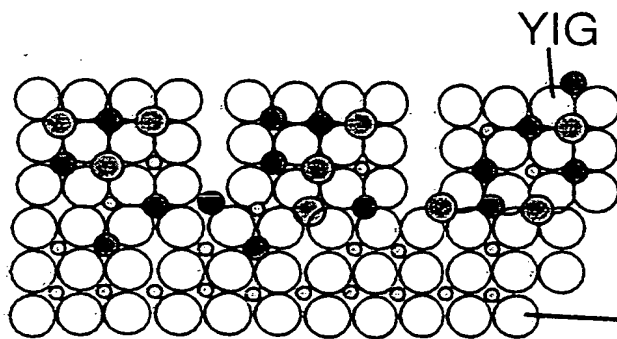
(b)



Crystalline YIG

Cristobalite

(c)



YIG

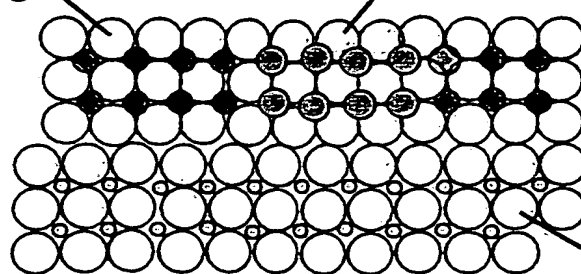
Yttrium silicate and iron silicate

Cristobalite

$\alpha\text{-Fe}_2\text{O}_3$

Y_2O_3

(d)



Cristobalite

\bigcirc O(1.28\AA) \bullet Fe(0.69\AA) \odot Y(0.75\AA) \circ Si(0.38\AA)

Fig. 10